

Yuanyuan (Lilian) Sun

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Summary-----

Highly motivated grad student in computer science & award-winning backend software developer with 5+ years of experience. Extensive background in full software development lifecycle including design, coding, testing, debugging, maintenance. Exceptional problem solver with an aptitude for troubleshooting. Proficiency in OOP, SQL.

Education-----

Illinois Institute of Technology, Chicago, IL, USA	M.S. in Computer Science (GPA 3.67/4.0)	Dec. 2023
Suzhou University of Science and Technology, China	B.S. in Computer Science and Technology	Jun. 2016

Hard & Soft Skills-----

Hard Skills: Java, Spring Framework, **Spring Boot**; Python, Flask; **SQL**, NoSQL; **JavaScript**, HTML, CSS, React; **Linux**, Git, CI/CD, AWS Cloud Services, Jenkins, **Docker**; Tomcat/Weblogic Server; **Agile**

Soft Skills: Fast Learning, Critical Thinking, Time & Task Management, Communication, Problem-solving

Work Experience-----

Senior Software Engineer (Shanghai Highly Electric Co., Ltd) **Mar. 2019 - Dec. 2021, Shanghai, China**

- Provided estimates for web app development & test. Selected libraries and open-source technologies for project integration. Oversaw full lifecycle of software development with on-time delivery while staying 5% under budget.
- Designed scalable service architecture. Re-architected old and complex applications by applying a unifying framework. Improved operational efficiency, reliability, adaptability. Decreased user complaints by 65% and reduced the cost of operation & maintenance by 15% from 2020 to 2021.
- Developed reusable, scalable APIs. Supported building & deployment of new products and features & tests. Implemented and executed Stress Testing on high-concurrency interfaces.
- Coordinated with cross-functional teams & Led a team of software developers and testers.
- Mentored junior developers & summer interns.

Junior Software Engineer (Shanghai Mathartsys Co., Ltd) **Mar. 2017 - Mar. 2019, Shanghai, China**

- Analyzed user requirements, designed functional and flexible web services by UML, collaborated with BA, QA to create detailed design documentation, unit test plans, well-documented code.
- Created RESTful APIs that served data to the JavaScript front-end based on J2EE, Spring Framework, Spring Boot. Researched and evaluated methods & techniques to resolve problems, reduced friction in development lifecycle.
- Managed & maintained 11 enterprise web applications, patched & improved features. Embraced automation, streamlined the build and deployment process. Documented and presented reports to leadership twice a month.
- Revamped web applications, improved security applications, minimized hacker attacks from 33.3% to 3.2%.
- Fixed bugs and streamlined documented procedures to increase DevOps efficiency by 20% from 2018 to 2019.

Android System Dev Intern (Pactera Technology International Ltd.) **Feb. 2016 – Jun. 2016, Shanghai, China**

Burned the Android OS source code in devices. Developed and improved features on the native applications via SDK. Cooperated with QA team to improve user interfaces. In the **top 10%** of interns in bug fix releases in the Android Framework R&D team.

Projects & Certificates-----

 [Work Projects](#)

 [Academic Projects](#)

 [Personal Projects](#)

 [Certificates](#)